

# Immunological Detection of Prion Diseases

Kascsak et al.  
(Antibody 3F4)

Tissue homogenate  
from infected animal

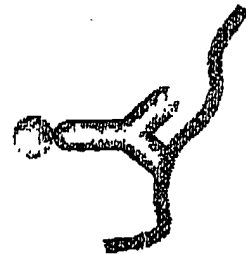


↓ Proteinase K

PrP27-30  
(i.e. protease resistant  
core of PrPSc)



↓ Denaturation



Denatured PrP27-30

Prusiner et al.

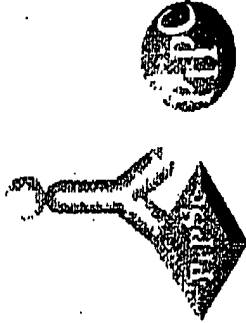


↓ Proteinase K



No evidence that recombinant protein  
is structurally different from  
native disease specific protein

Korth et al.



immunize O/O

(purified PrP<sup>Sc</sup>)

recombinant protein  
oxidized

panning severely for those  
that don't bind PrP<sup>Sc</sup>  
and only bind PrP<sup>Sc</sup>



in situ → tissue fixed  
thenly incubated